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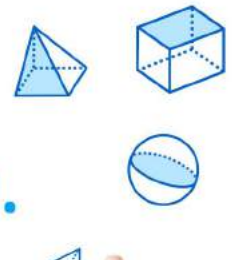

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Adding and Subtracting Monomials Worksheet-1

1) Add the given monomials.

$3abc+4abc$

2) If the length of a rectangle in terms of y is $3y^2$, and its width is 3y, what is the perimeter of this rectangle?

3) Subtract 20xy from 32yx.

4) Simplify: $11pq – 3pq + 7p^2$

5) State true or false.
$100x^2 – 64x = 36x$

6) Find the sum of the three monomials.
x^2y, $32yx^2$, $-9x^2y$

7) Use the appropriate symbol '+' or '-' to complete the given equation

a) $12xyz \square 4xyz \square\ 5xy = 5xy+8xyz$

b) $a \square 9a \square\ 4a = 6a$

8) If income of a person is \$40mn and her expenditures are \$13mn, find her savings?

9) One side of a pentagon is given by $2p^4$. If it is a regular pentagon find its perimeter.

10) Three friends went to a restaurant for dinner. If the total bill amount is of $\$32x^2yz^3$ and two of the friends paid $\$23\ x^2yz^3$, find the amount that the third person has to pay?

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- Gary Schwartz

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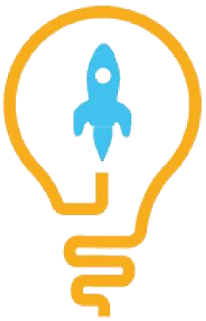

ANSWERS

1)	7abc
2)	$6y^2+6y$
3)	12xy
4)	$8pq+7p^2$
5)	False
6)	$24x^2y$
7)	a) -, + b) +, -
8)	$27mn
9)	$10p^4$
10)	$9 x^2yz^3

FUN FACT

1. Monomial is a polynomial that has only one term.

2. We can only add or subtract two or more like terms while adding or subtracting monomials.

3. Like terms are those that have the same variables raised to the same power.